AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A water temperature sensor comprising:

a temperature measuring part for measuring a temperature of water;

a water gauge chamber extending along ~~one~~ an outer side of an outer edge of an outer tub of a washing machine; and

a hollow chamber cap located at a bottom edge of the water gauge chamber, the temperature measuring part being mounted in a seating portion of the hollow chamber cap.

2. (Previously Presented) The water temperature sensor of claim 1, further comprising a heat insulating material inserted into a hollow space of the hollow chamber cap to achieve an adiabatic effect and to fasten said temperature measuring part within said chamber cap.

3. (Currently Amended) A water temperature sensor comprising:

a temperature measuring part including a temperature detecting sensor for measuring the temperature of water, and signal lines for connecting the temperature detecting sensor with a circuit requiring the measured value; and

a hollow chamber cap fitting into and thereby closing an opened bottom portion of a water gauge chamber, a hollow space of the hollow chamber cap

facing downward, and the water in the water gauge chamber being above the hollow chamber cap,

wherein the temperature measuring part is disposed in a recess formed underneath a top surface of the hollow chamber cap, so that the water temperature is measured without directly contacting with the water.

4. (Previously Presented) The water temperature sensor of claim 3, further comprising a heat insulating material inserted into the hollow space of the hollow chamber cap to achieve an adiabatic effect and to fasten said temperature measuring part within said chamber cap.

5. (Currently Amended) A water temperature sensor comprising:

a temperature measuring part including a temperature detecting sensor for measuring the temperature of water, signal lines for connecting the temperature detecting sensor with a circuit requiring the measured value, and a cylindrical probe containing the temperature detecting sensor and the signal lines;

a water gauge chamber extending along an outer side of an outer edge of an outer tub of a washing machine, and

a hollow chamber cap, located on a bottom edge of ~~a~~ the water gauge chamber,

wherein a cylindrical probe of the temperature measuring part extends upward from within the hollow chamber cap through a hole at a center of the hollow chamber cap, thereby directly contacting a washing water in the water gauge chamber after penetrating the hole.

6. (Previously Presented) The water temperature sensor of claim 5, further comprising a heat insulating material inserted into a hollow space of the hollow chamber cap to achieve an adiabatic effect and to fasten said temperature measuring part within said chamber cap.

7. (Canceled)

8. (Previously Presented) The water temperature sensor of claim 1, wherein the hollow chamber cap is welded to the bottom edge of the water gauge chamber.

9. (Previously Presented) The water temperature sensor of claim 1, wherein a bottom edge of the hollow chamber cap is substantially level with a bottom edge of the outer tub.

10. (Currently Amended) The water temperature sensor of claim 1, wherein the hollow chamber cap is formed of ~~epoxy resin~~ plastic.